

DRAFT SUPPLEMENTAL ENVIRONMENTAL DOCUMENT
PACIFIC HERRING COMMERCIAL FISHING REGULATIONS

TABLE OF CONTENTS

SUMMARY	S-1
S.1 Introduction	S-1
S.2 Proposed Project	S-2
S.3 Project Alternatives	S-3
S.4 Existing Environment.....	S-3
S.5 Environmental Impacts.....	S-3
S.5.1 Proposed Project	S-3
S.5.2 Alternatives	S-4
S.5.3 Cumulative	S-5
S.6 Areas of Controversy	S-6
S.7 Issues to be Resolved	S-6
Chapter 1. INTRODUCTION	1-1
1.1 Background	1-1
1.2 The Functional Equivalent	1-2
1.3 Scoping Process	1-3
1.4 Report Availability	1-3
1.5 Authorities and Responsibilities	1-4
Chapter 2. PROJECT DESCRIPTION	2-1
2.1 Project Objectives	2-1
2.2 Project Location	2-2
2.2.1 San Francisco Bay	2-4
2.2.1.1 Roe Herring Fishery	2-4
2.2.1.2 Herring Eggs-on-Kelp Fishery.....	2-5
2.2.1.3 Fresh Fish Market Fishery.....	2-5
2.2.2 Tomales Bay	2-6
2.2.2.1 Roe Herring Fishery	2-6
2.2.2.2 Fresh Fish Market Fishery	2-6
2.3 Project Characteristics	2-7
2.3.1 Roe Herring Fisheries	2-11
2.3.1.1 San Francisco Bay 2004-05 Quota	2-11
2.3.1.2 Tomales Bay 2004-05 Quota	2-12
2.3.1.3 Humboldt Bay and Crescent City 2004-05 Quotas.....	2-14
2.3.1.4 Season Dates.....	2-15
2.3.2 Herring Eggs-on-Kelp (HEOK) Fishery	2-15
2.3.2.1 Definition of a Prior Permittee	2-16
2.3.2.2 Definition of a Line Used in HEOK Fishing.....	2-16

2.3.2.3 Clarification of Requirements Regarding Brining HEOK Product.....	2-16
2.3.2.4 Corrections and Clarifications	2-17
2.4 Project Alternatives.....	2-17
2.4.1 Alternative 1 (no project).....	2-18
2.4.2 Alternative 2 (existing regulations).....	2-18
2.4.3 Alternative 3 (individual vessel quota).....	2-18
 Chapter 3. ENVIRONMENTAL SETTING	3-1
3.1 General	3-1
3.2 Status of the San Francisco Bay Spawning Population	3-3
3.2.1 Peer Review of Age Structured Model and Survey Methods for San Francisco Bay.....	3-5
3.2.2 San Francisco Bay Spawning Biomass Estimate and Age Structure	3-6
3.2.3 San Francisco Bay Herring Young of the Year (YOY)	3-10
3.3 Status of the Tomales Bay Spawning Population	3-11
3.5 Status of the Humboldt Bay and Crescent City Spawning Populations	3-15
3.6 Fishery Threshold.....	3-17
3.7 Areas of Controversy.....	3-18
 Chapter 4. ENVIRONMENTAL IMPACT ANALYSIS AND CUMULATIVE EFFECTS .	4-1
 Chapter 5. ANALYSIS OF ALTERNATIVES	5-1
5.1 Alternative 1 (no project)	5-1
5.2 Alternative 2 (existing regulations)	5-2
5.3 Alternative 3 (individual vessel quota)	5-2
5.4 Proposed Project	5-3
 Chapter 6. CONSULTATION	6-1
Literature Cited.....	L-1